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R.A.P.T. Series
with SmartLED
Owner's Manual

- **R.A.P.T. 1400**
- **R.A.P.T. 1400 CoverUp**

D.T. Systems, Inc.

Visit Gun Dog Supply.com
Order a DT Systems R.A.P.T. 1400
See Other DT Systems Products

IMPORTANT NOTE:

Please read this owner's manual in its entirety before operating this unit. Should you have any questions about our collars or their operation please contact our Customer Service department (see back page for address and phone number information).

NOTICE!

According to how you use your transmitter, the transmitting range might be much different.

You will have more range if you use your transmitter apart from your body as follows:

Maximum

Typical Range

Minimum Range

FCC/IC/CE COMPLIANCE

Your **R.A.P.T. Series ™ Trainer** has been manufactured under complete compliance with Part 15 of the Federal Communication Commission (FCC) rules, Industry Canada (IC) Standard RSS-310, and Article 3 of the Directive 1999/5/EC. The complex internal structure of each product has been designed to operate within specific regulations of FCC specifications. Any changes or modifications not expressly approved by the manufacturer is a violation of these specifications and could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules subject to the following two conditions:

1. *This device may not cause harmful interference*
2. *This device must accept all interference received, including interference that may cause undesired operation.*

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.*

This Category II radiocommunication device complies with Industry Canada Standard RSS-310. 26.96-27.28.10mv.
Ce dispositif de radiocommunication de catégorie II respecte la norme CNR-310 d'Industrie Canada.

Declaration of Conformity (Directive 1999/5/EC)

D.T. Systems, Inc. declares that the ***R.A.P.T. Series ™*** *products are in compliance with the essential requirements under Article 3 of the R&TTE Directive 1999/5/EC by application of the following standards:*

Article 3.1(a) - EN 60950-1
Article 3.1(b) - EN 301 489-1 V1.8.1, EN 301 489-3 V1.4.1
Article 3.2 - EN 300 220-1 V2.1.1, EN 300 220-2 V2.1.2

CE

WARRANTY

- D.T. Systems Premium Lifetime Warranty is the best warranty offered in the industry. This warranty is free to participating U.S. customers (a completed warranty registration card must be returned within 30 days of original purchase). This changes our normal one year parts and labor warranty to a limited lifetime warranty against manufacturing defects on parts and a one year warranty on labor.

How the Limited Lifetime Warranty works:

- To qualify for the Warranty you must fill out the warranty registration card which came with your system and mail it (with your original sales receipt) to D.T. Systems within 30 days of purchase.
- Your unit must be sent to D.T. Systems for all warranty issues.
- There is no charge for parts or labor for the first year on any of our lifetime warranty products.
- When the product's labor warranty expires after the first year, there will be a normal labor charge for any repair under the lifetime warranty program should your system be in need of service. Labor charges will vary depending on: 1) the system model and 2) the severity of the repair needed.
- When your unit is sent in for repairs, any defective part(s) that need replacement will be free during the lifetime warranty period.

What is covered:

D.T. Systems Premium Lifetime Warranty covers all parts to be free from manufacturing defects for as long as the unit is held by the original owner.

What is not covered:

- Rechargeable batteries have a one year warranty from the original purchase date and are not part of our lifetime warranty.
- Lost parts or parts that malfunction due to abuse, misuse, improper maintenance, or incorrect handling are not covered.
- Damage from dogs chewing or wear and tear from excessive field use is not covered.
- Our warranty does not cover the cost of shipping the unit to our repair center. Return ground shipping (inside the continental United States) to the customer is covered. However, expedited or special shipping is not covered, but available by request for an extra shipping fee. International shipping charges are not covered.

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INTRODUCTION

Thank you for purchasing our **Rapid Access Pro Trainer (R.A.P.T.™) series** remote training collar, the latest in e-collar technology and ergonomic design. The highlight of the system is the unique "hands-free" design of the remote transmitter - the new patented ***"Rapid Access™"*** *total control button is easily accessible for instantaneous correction of your dog and our patented "**SureGrip™**" strap securely holds the unit in place - freeing up your hands for other activities.* The compact design offers worry-free operation and the downsized collar unit means worry-free use and freedom of movement for your dog in the field.

The **R.A.P.T.™ series** features a 1,400 yard range made possible by our exclusive MAXX-Range 360 technology to ensure positive FM signal reception, no matter the terrain. The **R.A.P.T.™ 1400** e-collar also boasts full waterproof capability of the Collar and the Transmitter (the Transmitter even floats just in case it ever goes overboard).

The Gentle Touch feature (with 16 levels of stimulation) easily adjusts at your fingertips and always ensures the proper setting for your dog's unique personality. The R.A.P.T 1400 also features Vibration Assist and Jump Stimulation.

Our Vibration Assist lends a helping hand in the form of an audible vibration emitted from the collar to aid in training for a no-shock alternative stimulus.

The new D.T. Systems **R.A.P.T.™ 1400** collar is the result of over 30 years of experience researching, producing, and field testing the best E-collars in the business.

D.T. Systems. Dog Tested, Dog Tough… Since 1983.

IMPORTANT SAFETY NOTES

- Before training with this unit, your dog's health should be examined by a veterinarian.
- Do not use with aggressive-tempered dogs.
- Your **R.A.P.T. Series ™** collar is a very valuable tool if used correctly. It is extremely important that you completely understand all the functions of the collar and how to properly train with it before placing it on your dog.
- Test your system before placing the collar unit on your dog(s) to help prevent possible interruptions and inconsistencies during training and field time.
- **Never leave your dog unattended with the unit on.** Since no electronic device is perfect, there is a very slight possibility that your dog may receive an unintentional electric stimulation.
- **To prevent neck irritations, the collar should never be worn for more than 12 hours a day.** Changing the collar location on the dog's neck daily will also help prevent irritations. It is recommended to reposition the collar every 1-2 hours of use.
- It is important to keep the collar clean. Clean the electrodes regularly with a mild anti-bacterial soap.
- If an irritation is found, carefully wash the dog's neck with soap and water and then wipe the area with Hydrogen peroxide. Dry thoroughly and apply an antibiotic ointment. If condition persists beyond 48 hours, please consult a veterinarian.

MAINTENANCE

It is very important to periodically clean your **R.A.P.T. Series™** system for maximum performance. Regular cleaning will also lengthen the life of your unit.

- Clean the collar box, belt and buckle with lukewarm water and a mild anti-bacterial soap.
- Thoroughly clean the space between the electrodes and the belt.
- Always allow the entire unit to completely dry before charging/using.

NOTE - The Collar Unit should be rinsed with fresh, clean water after use in wet conditions, especially salt water.

Battery Maintenance

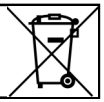
To get the maximum performance and life out of your rechargeable batteries:

- Remove the unit from the charger as soon as the SmartLED turns *green* during a charging session.
- It is recommended not to leave your unit charging for more than 12 hours at a time.

When storing your unit for extended periods of time:

- Remove the 9V battery from the Transmitter.
- Do not store your Collar Unit with depleted batteries.
- Fully charge and test your unit about once a month.
- Do not store your unit in extreme temperatures.
- Store your unit in a dry environment.

CAUTION
Dispose of batteries properly by calling your local waste service.



PACKAGE CONTENTS

- Transmitter with Antenna and Lanyard
- Collar Receiver
- NiMH Batteries for Collar (already installed)
- Battery Charger
- Triple-Jack Splitter/Adaptor Cable for charging
- Test Light
- Owner's and Training Manuals

MODEL FEATURES

- PATENTED Curved Transmitter for one finger operation
- Programmable "Rapid Access™" button
- Small, Compact, Lightweight, "Hands-Free" design
- Multiple Grip options for ambidextrous use
- 1,400 Yard (3/4 Mile) range (MAXX-Range 360)
- 16 levels of stimulation (Gentle Touch)
- Vibration Assist™ Technology and "Jump™" Stimulation button
- 3-dog expandable
- Waterproof collar (rechargeable NiMH batt)
- Waterproof floating Transmitter unit (9V battery)
- SmartLED™ charging and battery life status indicator
- Magnetic On/Off
- Safety Lockout feature on Transmitter
- MAXX-Range™ Internal Antenna System

PARTS & FUNCTIONS

Transmitter

Transmitter Antenna - Always check that the Antenna is securely fastened to the transmitter before each use. Hand tighten only. Use caution when attaching Antenna as over-tightening may cause damage to the Antenna or antenna mount.

SETTING THE INTENSITY LEVEL

Setting the Jump Stimulation Level (cont.):

1. Press and hold Button Jump button.
2. While holding the Jump button, turn the Intensity Dial to the desired Jump stimulation level. The LED will start flashing to indicate that you are programming the Jump stimulation level
3. Release the Jump button. The LED will flash the number of the new Jump level to confirm successful Jump level programming.

The Jump intensity setting will stay at this level until a different Jump level is programmed. Changing your normal intensity level will not affect the Jump setting. When applying the Jump stimulation, the intensity level will return to its nor-

SETTING THE RAPID ACCESS BUTTON

The Rapid Access Button's default setting is Nick Stimulation. However, you can set it to be Continuous Stimulation, Vibration, or Locate (varies with model).

1. Set Collar Selector Dial in the Lockout position (upper-most solid dashed line).
2. Turn Intensity Dial to 1 (Nick), 2 (Continuous), 3 (Vibration), or 4 (Locate). See Below .
3. Press and hold the Rapid Access Button and Jump Button simultaneously until the LED turns on.
4. Release buttons. The LED will flash 1 to 4 times depending on chosen setting as confirmation.

Intensity Dial Setting	Rapid Access Button Setting
Level 1	Nick (default)
Level 2	Continuous
Level 3	Vibration

SETTING THE INTENSITY LEVEL

It is very important to set the correct intensity level on your R.A.P.T. Training System before beginning your training sessions to provide the proper level of stimulation without over-stimulating your dog.

1. Place the Intensity Selection dial so that the system is set on Level 1.
2. Turn on the Collar Receiver and then fit it properly around your dog's neck.
3. Press the 'Cont.' button and check for a reaction. Indications of your dog feeling the stimulation include confusion on it's face, ears perking up, changes in tail movements, etc.
4. If there are no signs of your dog feeling the stimulation, increase the Intensity Level in increments of one until your dog reacts to the stimulation.
5. At this point, increase the Intensity Level by one or two. This should be your dog's ideal training level.

NOTE
Some dogs may require more or less stimulation depending upon their individual temperament and/or size.

Setting the Jump Stimulation Level:

CAUTION: To avoid accidentally stimulating your dog, please make sure that the collar is NOT on the dog *while setting the jump level*.

PARTS & FUNCTIONS

Intensity Selection Dial - The intensity selection dial can be set from level 1 to level 16 to find the exact stimulation level for your dog (see *page 18*).

LED Indicator Light - The LED lights while pressing any of the Transmitter buttons. The LED flashes rapidly after pressing a button if the battery is low,

Rapid Access Button - Default setting is 'Nick' Stimulation, which makes the collar emit a quick, split-second stimulation. This button can be programmed to be different functions as well (*see page 19*).

Continuous Stimulation Buttons - Pressing this button emits a continuous stimulation while the button is being pressed (up to an 8 second safety cutoff).

Collar Selector Dial with Lockout - Switching between collar units can be controlled by toggling the Collar Selecting Switch to the desired unit. Lockout position prevents accidental button activations. Lockout position is the upper-most position that is a solid dash line.

SureGrip Strap - Allows Transmitter to be worn on hand for "hands-free" operation.

Battery Cover (Back of Transmitter) - Covers battery and battery compartment. Held by 2 small Phillips screws.

PARTS & FUNCTIONS

Vibration and Jump Buttons - Pressing the Vibration Button makes the collar vibrate only. Pressing the Jump Button makes the collar give a 'Jump' Stimulation, making the intensity level instantly "jump" to a user-programmed intensity level (see *page 18*).

Magnetic ON/OFF Switch - White dot on Transmitter indicating location of the magnet used to power ON/OFF the Collar Unit.

Lanyard Connection - Point of attachment for lanyard.

PROPERLY FITTING THE COLLAR

NOTE: Proper collar tightness and position are very important to insure safe and consistent collar use.

All electronic collars need to be very snug around the dog's neck to work properly. They must be just tight enough to allow the "contacts" or electrodes to make good contact on your dog's skin. If the collar is too loose, the stimulation may not work properly because good/consistent skin contact is not being achieved. This can directly affect the performance of the collar unit and whether or not the dog will receive the stimulation. Always check for good contact to the skin if it appears that your dog is not responding to the stimulation. A loose collar can also result in skin irritations from moving or rubbing too much against your dog's neck while they are running or training. A proper fit will help prevent this from occurring.

- Place the collar unit high and tight on your dog's neck with the collar receiver box centered below the neck. Placing it at the wider base of the neck can let it travel up to the narrower part of the neck while your dog is moving, loosening as it goes.
- It should be tight enough to fit two fingers between the collar belt and your dog's neck, but not tight enough to restrict your dog's breathing.

PROGRAMMING THE COLLAR

When adding an "Add-On" collar, the collar will need to be programmed to the transmitter. If your current collar unit is not responding to the transmitter, it may also need to be reprogrammed to the transmitter.

1. Select the desired Collar Selecting Switch position on the transmitter.
2. Hold the Transmitter Magnet Indicator (white dot) directly against the Magnetic Activation Switch (small bump) on the right side of the Collar Receiver.
3. The SmartLED light inside the Collar Receiver will light up solid for about 1 second, followed by 6 flashes. You must keep the Transmitter next to the Collar Receiver during this time.
4. Continue to hold the Transmitter against the Collar Receiver until the SmartLED light stays on solid. The Collar Receiver is now in the *Code Running Mode* (the SmartLED light will stay lit for approximately 8 seconds while it is in this mode).
5. Remove the Transmitter from the Collar Receiver and press the Rapid Access and CONT buttons simultaneously while it is in the *Code Running Mode*.
6. When the SmartLED blinks 3 times, the Collar ID is programmed and the Collar Receiver is now ON.

NOTE – Do not move the Transmitter Magnet ON/OFF switch from the Collar Receiver Magnetic Activation Switch until after the SmartLED stops flashing and stays on solid or the Collar Receiver will not go into the *Code Running Mode*. You must press the NICK and CONT buttons simultaneously while the SmartLED is lit solid.

PARTS & FUNCTIONS

Collar Receiver

Magnetic ON/OFF Activation Switch - Raised dot turns the Collar Receiver unit ON and OFF (*see page 13*).

Collar SmartLED Indicator Light - Shows charging status and battery life status (*see page 11*).

Contacts - Contacts should fit snugly against the dog's neck to ensure good contact with the skin. For more information on the proper fit of the collar, see *page 17*.

Transmitter and Collar Unit Specifications

Unit	Dimensions	Weight
Transmitter	4 1/2" x 2 1/8" x 1"	3.8 oz.
Collar Receiver	2 5/8" x 2" x 1 1/2"	4.7 oz. (with belt)
		6.1 oz. (with beeper belt)

PARTS & FUNCTIONS

Collar Belt with MAXX-Range™ 360 Antenna - The embedded MAXX-Range™ Antenna is woven into the collar belt and runs along the entire length of the belt, providing extended range without the drawback of an external antenna. Because it wraps around the neck along with the collar belt, the MAXX-Range Antenna provides 360˚ degrees of signal reception and is not blocked by your dog's body, regardless of which direction your dog is facing.

CAUTION

If the collar belt is too long, we recommend looping the excess collar belt back around through the buckle. We DO NOT recommend cutting the collar belt. Cutting the collar belt too short can drastically reduce the range of your collar unit. However, the collar belt can be cut up to about 3 inches without affecting the range too much.

Battery Charging Receptacles - The charger cables plug into the Charging Receptacle for recharging (located on the side of the Collar Receiver facing the dog's neck). After charging, always close the Charging Receptacle with the rubber plug to prevent foreign particles from getting inside the unit.

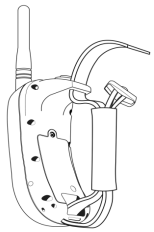
NOTE

The unit is still waterproof even if water gets into the charging receptacle. However, if water should get in, we recommend rinsing out the charging receptacle and allowing it to dry, especially after use in salt water. This will prevent premature corrosion in the metal pins inside that make contact with the charger plug.

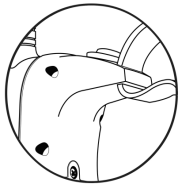
Re-Thread SureGrip Strap

1. With the buckle of the strap facing outwards, thread the suregrip strap through the bottom guide.

2. Thread both sides of the suregrip strap through the neoprene



3. Thread loose end (non-buckle end) of the strap through the top



4. Thread loose end through the top-portion of buckle as shown.

TESTING

NOTE: If the collar unit is not responding to any signals from the transmitter, the collar may need to be reprogrammed to the transmitter (see *page 16*).

Before testing, make sure that both units are fully charged and the power to the Collar Receiver is "ON".

To Test the Electronic Stimulation:

1. Place the tester firmly on the contacts of the Collar Receiver.
2. Set the intensity (note - an intensity level setting of 4 or less might not be enough to light the tester).
3. Push the 'NICK' or 'CONT' button.
4. The tester light will quickly flash once when the Nick button is pushed and light repeatedly when the Continuous Stimulation button is pushed (the test light will be brighter at higher intensity levels).

To Test the Vibration:

1. Press Vibrate Button on the transmitter and the collar unit will vibrate only.

To Test the Jump:

1. Press Jump Button on the transmitter and test light brightness will reflect the user-programmed Jump level (see *page 19*).
2. The intensity level will return to its original setting when the Jump button is released.

SmartLED

R.A.P.T. Series collar units are equipped with the SmartLED battery status system. The SmartLED system lets you know when the unit is charging and when the charging is complete. It also gives you a status on how much charge is remaining in the battery during use, when it needs charging, and when the batteries will need to be replaced.

Action	LED COLOR/ PATTERN	Status
Charging (collar only)	*Red*	Charging
	Green	Charging complete*
	Long *Red* blink every other second	Charging error**
While Unit is On (collar only)	Flashing *Green*	51%-100% charge left
	Flashing *Red*	21%-50% charge left
	Red double flash or rapid flash	Battery charge is low and requires charging soon

***Charging Complete** - Once charging is complete, your unit will go into a trickle charge to prevent overcharging. However, it is recommended that you remove your unit from the charger as soon as charging is complete.

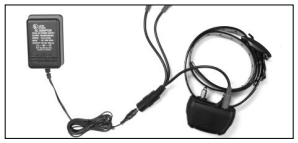
****Charging Error** - If the SmartLED has a long blink every other second while charging, the rechargeable battery pack may need to be replaced. New batteries may also initially give an error light. Contact D.T. Systems if the problem persists after a few charging sessions.

Transmitter Battery Indicator - The LED lights while pressing any of the Transmitter buttons. The LED flashes rapidly after pressing a button if the battery is low.

CHARGING THE BATTERIES

All **R.A.P.T. Series ™** collar units are equipped with rechargeable Nickel Metal Hydride (NiMH) batteries, which are not memory sensitive and do not require depletion before recharging. Although batteries come partially charged from the factory, it is recommended that they are given a full charge (about 12 hours) before initial use.

Battery Charging Procedure



1. Make sure the unit is off.
2. Plug the charger into a standard electrical outlet.
3. Connect the Triple-Jack Cable to the end of the charger and plug the end into the collar unit. The SmartLED should light solid *red* while charging. Additional Collar Units can be charged simultaneously with the Triple-Jack Cable.
4. Charging is complete when the SmartLED turns *green* (may take up to 12 hours).
5. When charging is complete, disconnect the battery charging cables from the receptacles, securely replace the rubber battery receptacle covers, and test unit.

WARNING: DO NOT CHARGE WHILE UNIT IS WET!

NOTE

Rechargeable batteries typically last about 2-5 years on average depending on use and care. Keep batteries away from flammable substances. See *page 20* for more information on battery maintenance.

TURNING ON AND OFF

The Transmitter is always in a permanent sleep state. It is only ON when a button is being pressed and does not need to be turned off by the user. If the Transmitter does not activate, make sure you have a good battery installed and that your Collar Selector Dial is not in the Lockout position.

Turning the Collar Unit ON/OFF:

Turning the Collar Unit ON and OFF uses the same procedure:

1. Hold the Transmitter Magnet Indicator (*white dot*) directly against the Magnetic Activation Switch (*small bump*) on the right side of the Collar Unit.
2. The SmartLED Indicator will light solid for a second and then start flashing. Remove the Transmitter from the Collar Unit when the SmartLED light begins to flash.

If the Collar Unit has been turned ON, the SmartLED will flash approximately every other second. If the Collar Unit has been turned OFF, the SmartLED will no longer be flashing.

NOTE

If the LED on the Transmitter flashes *red* rapidly after any button is pressed, the 9V battery will need to be replaced. If the SmartLED on the Collar Unit double-flashes *red* every other second while ON, the unit will need to be recharged. If this happens soon after a full charging session, the rechargeable batteries in the Collar Unit may need to be replaced.